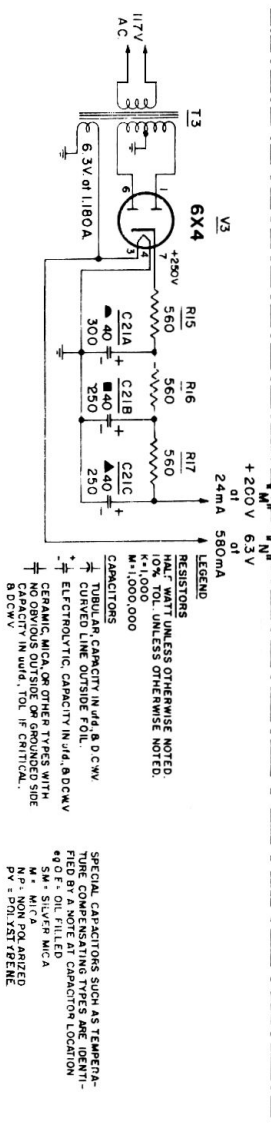
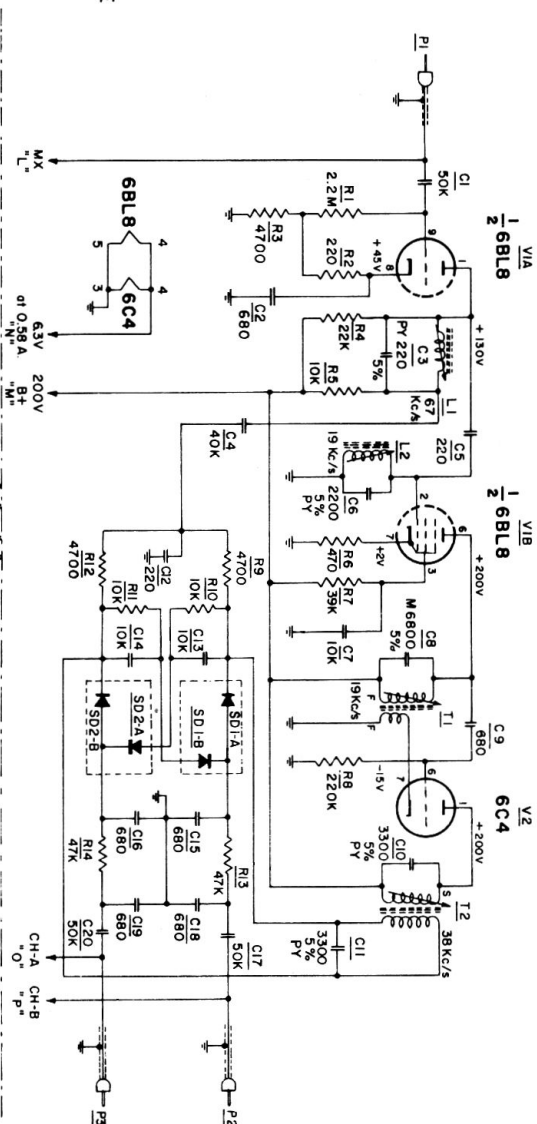
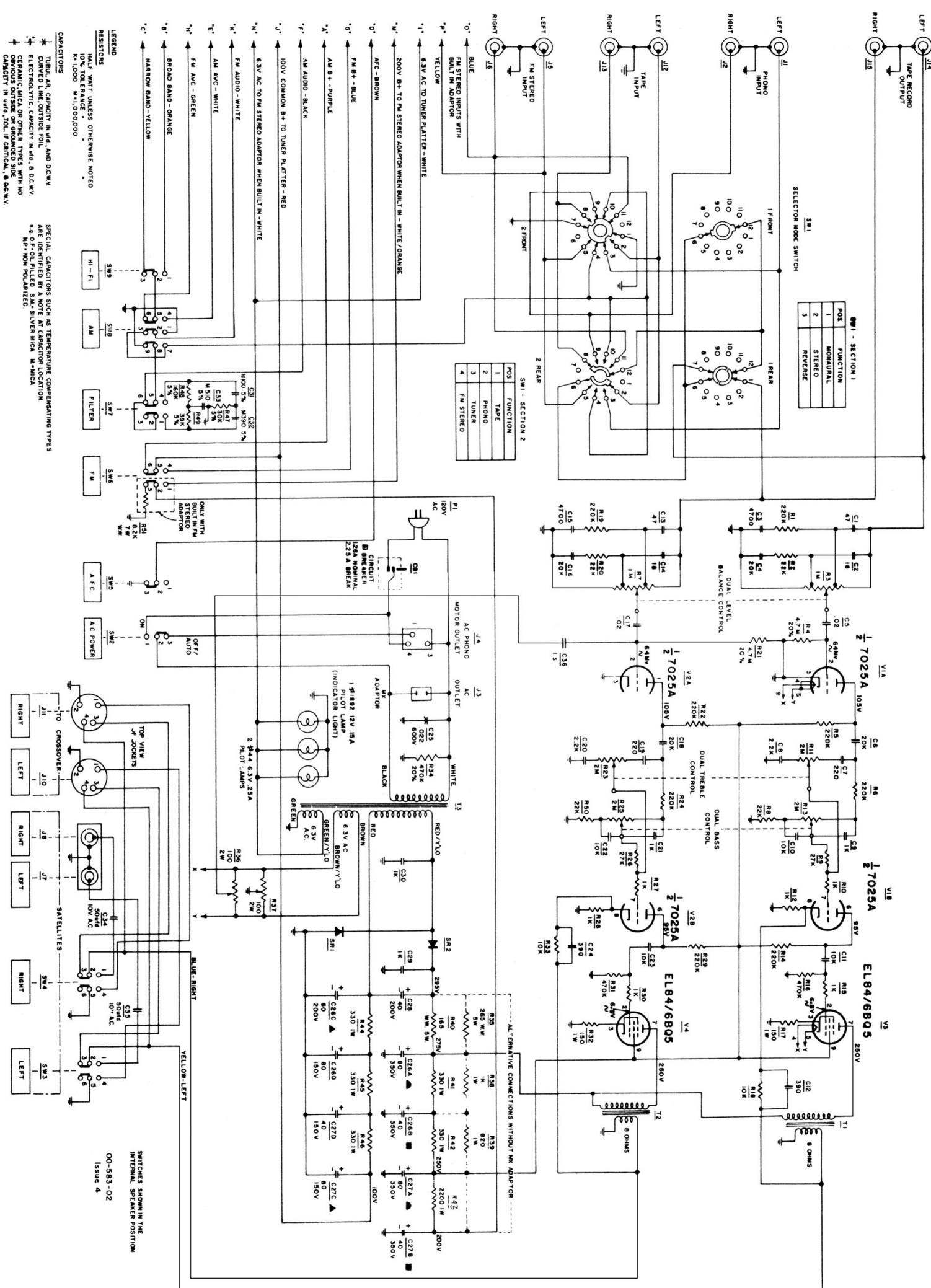


FM STEREO RADIO ADAPTOR SCHEMATIC

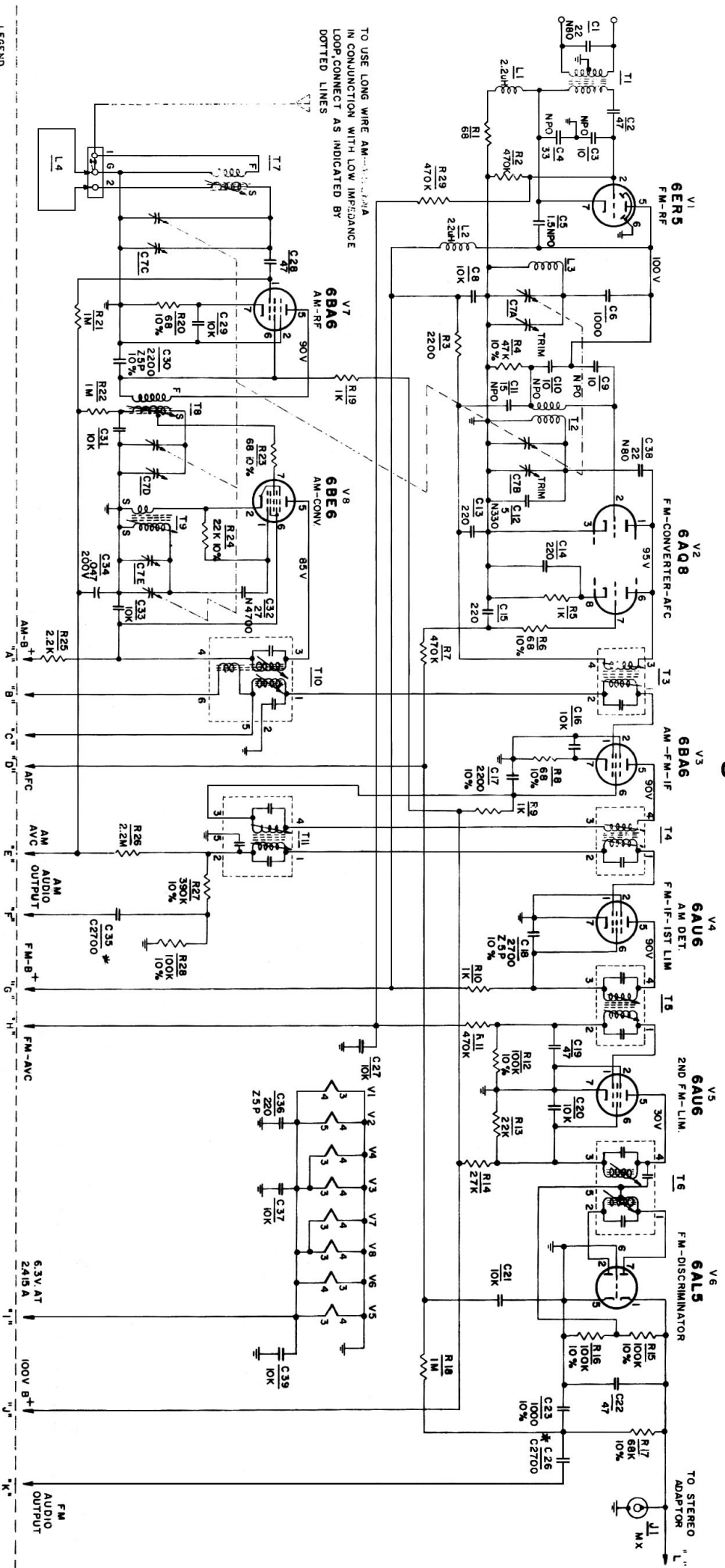
CASTANET MK II M, MONTEGO M



AMPLIFIER SCHEMATIC – MONTEGO & M



Electrohome Montego/M AM-FM TUNER SCHEMATIC



CASTANET MK II & M

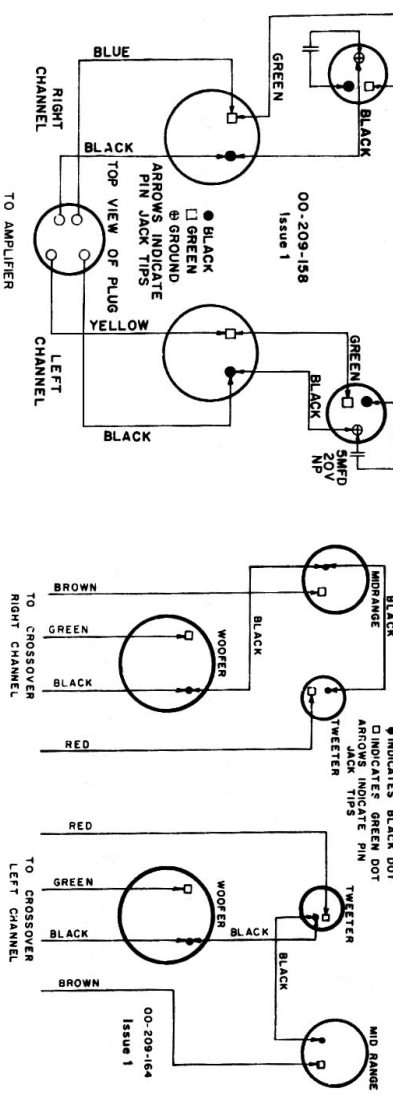
MONTIGO & M

LEGEND
RESISTORS
 HALF WATT UNLESS OTHERWISE NOTED.
 20% UNLESS OTHERWISE NOTED.
 K=1000 OHMS
 M=1000,000 OHMS

CAPACITORS
 TUBULAR, CAPACITY IN μ D., AND D.C.W.V.
 CURVED LINE-OUTSIDE FOIL
 ELECTROLYTIC, CAPACITY IN μ D., AND D.C.W.V.
 CERAMIC, MICA OR OTHER TYPES WITH NO
 OBVIOUS OUTSIDE OR GROUNDED SIDE.
 CAPACITY IN μ D., TOLERANCE IF CRITICAL.
 AND D.C.W.V.
 M=MICA
 NP=NON POLARIZED

**SPECIAL CAPACITORS SUCH AS TEMPERATURE
 COMPENSATING TYPES ARE IDENTIFIED BY A
 NOTE AT CAPACITOR LOCATION.**
 88.0 OF OIL FILLED
 5M= SILVER MICA
 M=MICA
 NP=NON POLARIZED

NOTE: FOR ALIGNMENT INSTRUCTIONS SEE D.E.I. DWG. 00-1909-01
 * NOTE 2 - 10K ON ALL 6 WATT MODELS.

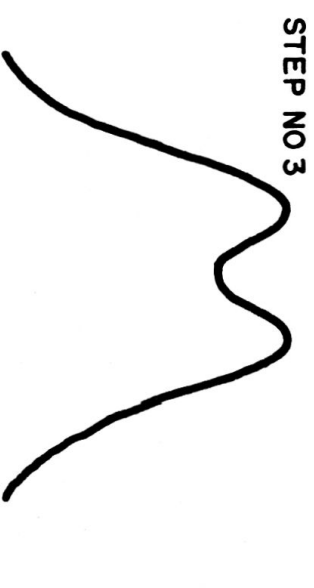


SPEAKER CONNECTIONS AND CROSSOVER NETWORK

Electrohome Montego/M AM-FM TUNER ALIGNMENT

STEP	DUMMY ANTENNA	SIGNAL APPLIED TO	FREQ.	MODULATION	BAND SWITCH SETTING	DIAL POINTER SETTING	INDICATING METER	ADJUST	REMARKS	NOMINAL SENSITIVITY
1	.05 uf	Pin No. 1 V3 6BA6	455 Kc/s	400 c.p.s. AM at 30%	AM	600 Kc/s	AC-VTVM To Point "F"	T11 2nd. AM-IF	Adjust for maximum output.	4000 uv for 20 mv output
2	.05 uf	Pin No. 7 V8 6BE6	455 Kc/s	400 c.p.s. AM at 30%	AM	600 Kc/s	AC-VTVM To Point "F"	T10 1st. AM-IF	Adjust for maximum output.	300 uv for 20 mv output
3	Change Band Switch Setting to (AM HI-FI) Tune Signal Generator across 440-470 Kc/s Frequency Range and check for approx. response curve as shown. This test should preferably be made with a proper sweep Generator and Scope.									
4	200 uf	AM Ant. Term. Strip No. 1	600 Kc/s	400 c.p.s. AM at 30%	AM	600 Kc/s	AC-VTVM To Point "F"	T7, T8, and T9	Connect for long wire antenna, adjust for maximum output.	2.5 uv for 20 mv output
5	200 uf	AM Ant. Term. Strip No. 1	1400 Kc/s	400 c.p.s. AM at 30%	AM	1400 Kc/s	AC-VTVM To Point "E"	C1C, C1D, and C1E Trimers	Connect for long wire antenna, adjust for maximum output.	1.8 uv for 20 mv output
6	Repeat steps 4 and 5, check for band coverage at 535 Kc/s - 1650 Kc/s and for tracking at 950 Kc/s.									
7	-	Pin No. 1 V4 6AU6	10.7 Mc/s	-	FM	Point of no interference	DC-VTVM To Point "H"	T5 3rd. FM-IF	Adjust for maximum meter deflection.	15000 uv for 1v output
8	-	Pin No. 1 V4 6AU6	10.7 Mc/s	-	FM	Point of no interference	DC-VTVM To Pin No.5 of T6	T6 FM Discriminator Primary	Adjust for maximum meter deflection.	10000 uv for 3v output
	-	Pin No. 1 V4 6AU6	10.7 Mc/s	-	FM AFC	Point of no interference	DC-VTVM To Point "D"	T5 FM Discriminator Secondary	Adjust for zero voltage	-
10	-	Pin No. 1 V3 6BA6	10.7 Mc/s	-	FM	Point of no interference	DC-VTVM To Point "H"	T4 2nd FM-IF	Adjust for maximum meter deflection	250 uv for 1v output
11	-	C1A FM Gang	10.7 Mc/s	-	FM	Point of no interference	DC-VTVM To Point "H"	T3 1st FM-IF	Adjust for maximum meter deflection.	-
12	*	FM Ant. Term. Strip	90 Mc/s	400 c.p.s. FM 22.5 Kc/s Deviation	FM	90 Mc/s	AC-VTVM To Point "K"	Expand or compress L3 and T2	Adjust for maximum output.	3 uv for 100 mv output
13	*	FM Ant. Term. Strip	106 Mc/s	400 c.p.s. FM 22.5 Kc/s Deviation	FM	106 Mc/s	AC-VTVM To Point "K"	C1B and C1A Trimers	Adjust for maximum output.	3 uv for 100 mv output
14	Repeat steps 12 and 13 until output drops at least 20 db. when mod. is turned off.									

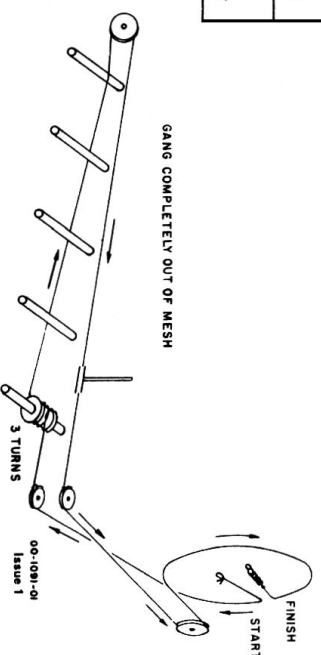
NOTE: To achieve more accurate alignment of FM IF's and Discriminator it is preferable to use a proper sweep generator and oscilloscope.



435 445 455 465 475 KC/S

* For FM dummy antenna connect one 150 μ carbon resistor from grounded side of sig. gen. to ant. term. and one 120 μ carbon resistor from hot side of sig. gen. to ant. term.

STRINGING DETAIL



00-1081-00
Issue 1